

# 4.35 Selection Object Service

## Selection Object Service

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## Selection Object Service

Selection Objects are the primary components to help better organize full or partial selections of the project objects.

Please see the detailed structure of the issue in the [Object Model](#)

Create a new selection object

### URL / Resource / JSON Structure

**Resource:** projects/<project\_id>/exportobjects

**URL:** [https://api-stage.bimplus.net/v2/<team\\_slug>/projects/<project\\_id>/selections](https://api-stage.bimplus.net/v2/<team_slug>/projects/<project_id>/selections)

**Example:** <https://api-stage.bimplus.net/v2/bimplus/projects/ceac9b1e-31d9-4c5f-bd78-f909767b7b01/selections>

**JSON Structure:** The structure of the Selection objects is the same like the structure of the object for [Export Object](#)

Optionally there is an opportunity to mark selection object validity just for one use with the 'singleuse' (default is null or false) attribute. The created selection for a single use ("singleuse": true) attribute selection object will be automatically deleted when the selection id is used on any of the API services where it is possible to use a selection id (Including services for example: Objects, Revision comparisons, Locks, Geometries, Clash filters).

### HTTP Method

POST

### Description

Creates a new selection object

### Request

| Headers                                                                                   |
|-------------------------------------------------------------------------------------------|
| Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088<br>Content-Type: application/json |

## JSON

```
{
  "divisionId":"371D0C5F-87A1-42CF-BF43-6FE6123EBE00",
  "type":"Topology",
  "singleuse": false,
  "topology":{
    "layers":[{
      "id":"33826b01-c267-4b25-9f8e-79ac2953c443",
      "divisionId":"1B52B5F7-1B2D-461A-AA9B-6F55C8889241"
    }
  ],
  "topology":[{
    "id":"522e3cc1-c6d4-441c-974c-becfcb51cd14"
  },
  {
    "id":"02583ba2-f7da-4f3a-a2b0-976d98415740"
  }
]
}
```

## Response

### Status

Status: 201 Created

## JSON

```
{
  "id": "e9eb4f1a-827a-4c19-ae56-e91c4f2988b1",
  "projectId": "3f6de86b-0bef-4146-847c-aa21afad6cfa",
  "divisionid": "371d0c5f-87a1-42cf-bf43-6fe6123ebe00",
  "singleuse": false,
  "type": "Topology",
  "elements": null,
  "topology": {
    "camera": null,
    "topology": [{
      "id": "522e3cc1-c6d4-441c-974c-becfcb51cd14",
      "visible": false,
      "opaque": false,
      "opacity": 0
    },
    {
      "id": "02583ba2-f7da-4f3a-a2b0-976d98415740",
      "visible": false,
      "opaque": false,
      "opacity": 0
    }
  ]
},
  "layers": [{
    "revision": 0,
    "id": "33826b01-c267-4b25-9f8e-79ac2953c443",
    "name": null,
    "divisionId": "1b52b5f7-1b2d-461a-aa9b-6f55c8889241",
    "divisionName": null,
    "visible": false,
    "opaque": false,
    "opacity": 0
  }
],
  "filter": null,
  "structure": null
}
```

Get the selection object details

### URL / Resource / JSON Structure

**Resource:** selections/<object\_id>

**URL:** [https://api-stage.bimplus.net/v2/<team\\_slug>/selections/<object\\_id>](https://api-stage.bimplus.net/v2/<team_slug>/selections/<object_id>)

**Example:** <https://api-stage.bimplus.net/v2/bimplus/selections/e9eb4f1a-827a-4c19-ae56-e91c4f2988b1>

### Optional query parameters

### HTTP Method

GET

### Description

Gets the details of the specified selection object.

### Request

| Headers                                                                                   |
|-------------------------------------------------------------------------------------------|
| Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088<br>Content-Type: application/json |

## Response

| Status         |
|----------------|
| Status: 200 OK |

In general, the response json has following format :

```
{
  "id": "e9eb4f1a-827a-4c19-ae56-e91c4f2988b1",
  "projectId": "3f6de86b-0bef-4146-847c-aa21afad6cfa",
  "divisionid": "371d0c5f-87a1-42cf-bf43-6fe6123ebe00",
  "singleuse": false,
  "type": "Topology",
  "elements": null,
  "topology": {
    "camera": null,
    "topology": [
      {
        "id": "522e3cc1-c6d4-441c-974c-becfcb51cd14",
        "visible": false,
        "opaque": false,
        "opacity": 0
      },
      {
        "id": "02583ba2-f7da-4f3a-a2b0-976d98415740",
        "visible": false,
        "opaque": false,
        "opacity": 0
      }
    ]
  },
  "layers": [
    {
      "revision": 0,
      "id": "33826b01-c267-4b25-9f8e-79ac2953c443",
      "name": null,
      "divisionId": "1b52b5f7-1b2d-461a-aa9b-6f55c8889241",
      "divisionName": null,
      "visible": false,
      "opaque": false,
      "opacity": 0
    }
  ],
  "filter": null,
  "structure": null
}
```

Get all the selection objects of the project

### URL / Resource / JSON Structure

**Resource:** projects/<project\_id>/exportobjects

**URL:** [https://api-stage.bimplus.net/v2/<team\\_slug>/projects/<project\\_id>/exportobjects](https://api-stage.bimplus.net/v2/<team_slug>/projects/<project_id>/exportobjects)

**Example:** <https://api-stage.bimplus.net/v2/bimplus/projects/ceac9b1e-31d9-4c5f-bd78-f909767b7b01/exportobjects>

HTTP Method

GET

Description

Get all the selection objects of a specified project.

Request

| Headers                                                                                   |
|-------------------------------------------------------------------------------------------|
| Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088<br>Content-Type: application/json |

Response

| Status         |
|----------------|
| Status: 200 OK |

| JSON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <pre>[{   "id": "e9eb4f1a-827a-4c19-ae56-e91c4f2988b1",   "projectId": "3f6de86b-0bef-4146-847c-aa21afad6cfa",   "divisionid": "371d0c5f-87a1-42cf-bf43-6fe6123ebe00",   "singleuse": false,   "type": "Topology",   "elements": null,   "topology": {     "camera": null,     "topology": [{       "id": "522e3cc1-c6d4-441c-974c-becfcb51cd14",       "visible": false,       "opaque": false,       "opacity": 0     },     {       "id": "02583ba2-f7da-4f3a-a2b0-976d98415740",       "visible": false,       "opaque": false,       "opacity": 0     }   ] },   "layers": [{     "revision": 0,     "id": "33826b01-c267-4b25-9f8e-79ac2953c443",     "name": null,     "divisionId": "1b52b5f7-1b2d-461a-aa9b-6f55c8889241",     "divisionName": null,     "visible": false,     "opaque": false,     "opacity": 0   } ] },   "filter": null,   "structure": null }, {   "id": "3f5125db-8fe1-47a5-980d-96ebf62e52d4",   "projectId": "3f6de86b-0bef-4146-847c-aa21afad6cfa",   "divisionid": "371d0c5f-87a1-42cf-bf43-6fe6123ebe00",   "singleuse": false,   "type": "Topology",</pre> |

```
"elements":null,
"topology":{
  "camera":null,
  "topology":[{
    "id":"522e3cc1-c6d4-441c-974c-becfcb51cd14",
    "visible":false,
    "opaque":false,
    "opacity":0
  },
  {
    "id":"02583ba2-f7da-4f3a-a2b0-976d98415740",
    "visible":false,
    "opaque":false,
    "opacity":0
  }
],
"layers":[{
  "revision":0,
  "id":"33826b01-c267-4b25-9f8e-79ac2953c443",
  "name":null,
  "divisionId":"1b52b5f7-1b2d-461a-aa9b-6f55c8889241",
  "divisionName":null,
  "visible":false,
  "opaque":false,
  "opacity":0
}]
},
"filter":null,
"structure":null
}
```

Delete the selection object

#### URL / Resource / JSON Structure

**Resource:** selections/<object\_id>

**URL:** [https://api-stage.bimplus.net/v2/<team\\_slug>/selections/<object\\_id>](https://api-stage.bimplus.net/v2/<team_slug>/selections/<object_id>)

**Example:** <https://api-stage.bimplus.net/v2/bimplus/selections/ceac9b1e-31d9-4c5f-bd78-f909767b7b01>

#### HTTP Method

DELETE

#### Description

Deletes a specified selection object.

#### Request

##### Headers

Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088  
Content-Type: application/json

#### Response

##### Status

Status: 200 OK